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**1. On reliable and scalable peer-to-peer Web document sharing**

Li Xiao; Xiaodong Zhang; Zhichen Xu;  
Parallel and Distributed Processing Symposium., Proceedings International, IP  
Abstracts and CD-ROM  
15-19 April 2002 Page(s):23 - 30  
Digital Object Identifier 10.1109/IPDPS.2002.1015498

[AbstractPlus](#) | Full Text: [PDF](#)(287 KB) IEEE CNF
**2. Multimedia search and retrieval: new concepts, system implementation, &**

Qian Huang; Puri, A.; Zhu Liu;  
Circuits and Systems for Video Technology, IEEE Transactions on  
Volume 10, Issue 5, Aug. 2000 Page(s):679 - 692  
Digital Object Identifier 10.1109/76.856446

[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1108 KB) IEEE JNL
**3. Adapting Web pages for small-screen devices**

Yu Chen; Xing Xie; Wei-Ying Ma; Hong-Jiang Zhang;  
Internet Computing, IEEE  
Volume 9, Issue 1, Jan-Feb 2005 Page(s):50 - 56  
Digital Object Identifier 10.1109/MIC.2005.5

[AbstractPlus](#) | Full Text: [PDF](#)(1248 KB) IEEE JNL
**4. VISMap: an interactive Image/video retrieval system using visualization a maps**

Chen, W.; Shih-Fu Chang;  
Image Processing, 2001. Proceedings. 2001 International Conference on  
Volume 3, 7-10 Oct. 2001 Page(s):588 - 591 vol.3  
Digital Object Identifier 10.1109/ICIP.2001.958187

[AbstractPlus](#) | Full Text: [PDF](#)(352 KB) IEEE CNF

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IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

**1. A Picture Browsing System**Netravali, A.; Bowen, E.;  
Communications, IEEE Transactions on [legacy, pre - 1988]  
Volume 29, Issue 12, Dec 1981 Page(s):1968 - 1976[AbstractPlus](#) | Full Text: [PDF\(816 KB\)](#) IEEE JNLIndexed by  
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# 1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Full text available: [pdf\(4.21 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

# 2 [Best Paper: Early experiences with a 3D model search engine](#)

Patrick Min, John A. Halderman, Michael Kazhdan, Thomas A. Funkhouser

 March 2003 **Proceeding of the eighth international conference on 3D Web technology**
Full text available: [pdf\(1.92 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

New acquisition and modeling tools make it easier to create 3D models, and affordable and powerful graphics hardware makes it easier to use them. As a result, the number of 3D models available on the web is increasing rapidly. However, it is still not as easy to find 3D models as it is to find, for example, text documents and images. What is needed is a "3D model search engine," a specialized search engine that targets 3D models. We created a prototype 3D model search engine to investigate the d ...

**Keywords:** 3D model database, shape matching, shape query interfaces, specialized search engine

# 3 [An adaptive real-time Web search engine](#)

Augustine Chidi Ikeji, Farshad Fotouhi



 November 1999 **Proceedings of the 2nd international workshop on Web information and data management**
Full text available: [pdf\(813.68 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Internet provides a wealth of information scattered all over the world. The fact that the information may be located anywhere makes it both convenient for placing information on

the Web and difficult for others to find. Conventional search engines can only locate information that is in their search index and users do not have much choice in limiting or expanding the search parameters. Some web pages like those for news services change frequently and will not work well with index based s ...

4 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available:  [pdf\(613.63 KB\)](#)  
 [html\(2.78 KB\)](#)

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5 User-focused search and crawling: User-centric Web crawling

Sandeep Pandey, Christopher Olston

May 2005 **Proceedings of the 14th international conference on World Wide Web**

Full text available:  [pdf\(914.56 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)




Search engines are the primary gateways of information access on the Web today. Behind the scenes, search engines crawl the Web to populate a local indexed repository of Web pages, used to answer user search queries. In an aggregate sense, the Web is very dynamic, causing any repository of Web pages to become out of date over time, which in turn causes query answer quality to degrade. Given the considerable size, dynamicity, and degree of autonomy of the Web as a whole, it is not feasible for a ...

**Keywords:** Web crawling, Web page refreshing, user-centric

6 VideoQ: an automated content based video search system using visual cues

Shih-Fu Chang, William Chen, Horace J. Meng, Hari Sundaram, Di Zhong

November 1997 **Proceedings of the fifth ACM international conference on Multimedia**

Full text available:  [pdf\(1.67 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



7 A method for evaluating the impact of software configuration parameters on e-commerce sites

Monchai Sopitkamol, Daniel A. Menascé

July 2005 **Proceedings of the 5th international workshop on Software and performance WOSP '05**

Full text available:  [pdf\(276.37 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)



E-commerce systems are composed of many components with several configurable software parameters which, if properly configured, can optimize system performance. The cost and burden of implementing upgrades can be deferred by judicious tuning of these parameters. Tuning is a time consuming effort and energy has to be spent on the most relevant parameters. This paper provides a method to evaluate the statistical significance of configurable parameters in e-commerce systems, the interaction effects ...

8 E-commerce: Ranking configuration parameters in multi-tiered e-commerce sites

Monchai Sopitkamol

December 2004 **ACM SIGMETRICS Performance Evaluation Review**, Volume 32 Issue 3

Full text available:  [pdf\(782.16 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)



E-commerce systems are composed of many components with several configurable parameters that, if properly configured, can optimize system performance. Before upgrading existing systems to overcome performance bottlenecks, several areas of a site's

architecture and its parameters may be adjusted to improve performance. This paper provides a method to rank key configurable e-commerce system parameters that significantly impact overall system performance, and the performance of the most significant ...

9 Searching and organizing: How do people manage their digital photographs?

Kerry Rodden, Kenneth R. Wood

April 2003 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Full text available:  [pdf\(655.67 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


In this paper we present and discuss the findings of a study that investigated how people manage their collections of digital photographs. The six-month, 13-participant study included interviews, questionnaires, and analysis of usage statistics gathered from an instrumented digital photograph management tool called Shoebox. Alongside simple browsing features such as folders, thumbnails and timelines, Shoebox has some advanced multimedia features: content-based image retrieval and speech recognit ...

**Keywords:** annotation, content-based image retrieval, digital photography, image browsing, personal photography

10 Knowledge encapsulation for focused search from pervasive devices

Yariv Aridor, David Carmel, Yoelle S. Maarek, Aya Soffer, Ronny Lempel

January 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1

Full text available:  [pdf\(2.43 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Mobile knowledge seekers often need access to information on the Web during a meeting or on the road, while away from their desktop. A common practice today is to use pervasive devices such as Personal Digital Assistants or mobile phones. However, these devices have inherent constraints (e.g., slow communication, form factor) which often make information discovery tasks impractical. In this paper, we present a new focused-search approach specifically oriented for the mode of work and the constrai ...

**Keywords:** Focused searches, disconnected search, knowledge agents, pervasive devices

11 Knowledge encapsulation for focused search from pervasive devices

Yariv Aridor, David Carmel, Yoëlle S. Maarek, Aya Soffer, Ronny Lempel

April 2001 **Proceedings of the 10th international conference on World Wide Web**

Full text available:  [pdf\(490.70 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** disconnected search, focused search, knowledge agents, pervasive devices

12 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems

M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1

Full text available:  [pdf\(294.13 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed

for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...

**Keywords:** Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

13 R × W: a scheduling approach for large-scale on-demand data broadcast

Demet Aksoy, Michael Franklin


December 1999 **IEEE/ACM Transactions on Networking (TON)**, Volume 7 Issue 6

Full text available:  [pdf\(332.50 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

14 The design of POSTGRES

Michael Stonebraker, Lawrence A. Rowe

June 1986 **ACM SIGMOD Record , Proceedings of the 1986 ACM SIGMOD international conference on Management of data**, Volume 15 Issue 2

Full text available:  [pdf\(1.91 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents the preliminary design of a new database management system, called POSTGRES, that is the successor to the INGRES relational database system. The main design goals of the new system are to provide better support for complex objects, provide user extendibility for data types, operators and access methods, provide facilities for active databases (i.e., alerters and triggers) and inferencing including forward- ...

15 Web content accessibility guidelines 1.0

Wendy Chisholm, Gregg Vanderheiden, Ian Jacobs


July 2001 **interactions**, Volume 8 Issue 4

Full text available:  [pdf\(471.98 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 Using collaborative filtering to weave an information tapestry

David Goldberg, David Nichols, Brian M. Oki, Douglas Terry

December 1992 **Communications of the ACM**, Volume 35 Issue 12

Full text available:  [pdf\(3.12 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

**Keywords:** information filtering, tapestry

17 Integrating information retrieval techniques with traditional DB methods in a Web-based database browser

Roberta Evans Sabin, Tieng K. Yap

February 1998 **Proceedings of the 1998 ACM symposium on Applied Computing**

Full text available:  [pdf\(753.78 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** GenBank, database, information retrieval

**18** Automatic identification and organization of index terms for interactive browsing

Nina Wacholder, David K. Evans, Judith L. Klavans

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**Full text available:  pdf(296.76 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


The potential of automatically generated indexes for information access has been recognized for several decades (e.g., Bush 1945 [2], Edmundson and Wyllys 1961 [4]), but the quantity of text and the ambiguity of natural language processing have made progress at this task more difficult than was originally foreseen. Recently, a body of work on development of interactive systems to support phrase browsing has begun to emerge (e.g., Anick and Vaithyanathan 1997 [1], Gutwin et al. [10], Nevill ...

**Keywords:** browsing, genre, indexing, natural language processing, phrases**19** The travails of visually impaired web travellers

Carole Goble, Simon Harper, Robert Stevens

May 2000 **Proceedings of the eleventh ACM on Hypertext and hypermedia**Full text available:  pdf(229.51 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** hypertext, mobility, navigation, travel, usability, visual impairment, web**20** Client-server computing in mobile environments

Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2Full text available:  pdf(233.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

**Keywords:** application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility awareness, survey, system application

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